

U.S. Application Serial No. 10/576,242
Atty. Docket No. 10191/4700
Reply to Office Action of October 14, 2008

AMENDMENT TO THE CLAIMS:

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF THE CLAIMS:

1-15. (Canceled).

16. (Previously Presented) An antenna amplifier, comprising:

an input for connecting to an antenna;

an output for connecting to a receiver;

an arrangement for providing signal-level matching between the input and the output;
and

a narrow-band filter situated between the input and the arrangement for providing signal-level matching, wherein a pass frequency of the narrow-band filter is configured to be tuned to a receive channel of the receiver.

17. (Previously Presented) The antenna amplifier as recited in Claim 16, wherein the pass frequency of the narrow-band filter is tuned via a tuning signal that is generated by the receiver and applied to a control terminal of the antenna amplifier.

18. (Previously Presented) The antenna amplifier as recited in Claim 16, wherein the pass frequency of the narrow-band filter is tuned via a tuning signal that is generated by the receiver and applied to the output of the antenna amplifier.

19. (Previously Presented) The antenna amplifier as recited in Claim 18, wherein the tuning signal applied to the output of the antenna amplifier is evaluated in the antenna amplifier, and wherein the tuning signal is one of a d.c. voltage, an analog amplitude-modulated signal, an analog frequency-modulated signal, an analog pulse-width-modulated signal, and a digital data stream.

20. (Previously Presented) The antenna amplifier as recited in Claim 18, further comprising:

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a device for one of splitting up and filtering out signal components of a received signal at the output of the antenna amplifier.

21. (Previously Presented) The antenna amplifier as recited in Claim 18, wherein a supply voltage for the antenna amplifier is applied to the output of the antenna amplifier.

22. (Previously Presented) The antenna amplifier as recited in Claim 20, wherein the device for one of splitting up and filtering out signal components of the received signal includes a storage unit for storing tuning information.

23. (Previously Presented) The antenna amplifier as recited in Claim 18, wherein further control signals are applied to one of a control terminal of the antenna amplifier and the output of the antenna amplifier.

24. (Previously Presented) The antenna amplifier as recited in Claim 23, further comprising:
a return-signal generating unit for generating a return signal that is applied to one of the control terminal and the output.

25. (Previously Presented) The antenna amplifier as recited in Claim 23, wherein responses to the further control signals occur at defined moments, wherein the responses include a switchover to previously stored tuning information.

26. (Currently Amended) A receiver, comprising:

a means for generating arrangement to generate at least one of a tuning signal and additional control signals for an antenna amplifier, wherein the antenna amplifier includes:

an input for connecting to an antenna;
an output for connecting to a receiver;
an arrangement for providing signal-level matching between the input and the output; and
a narrow-band filter situated between the input and the arrangement for providing signal-level matching, wherein a pass frequency of the narrow-band filter is configured to be tuned to a receive channel of the receiver.

27. (Currently Amended) The receiver as recited in Claim 26, wherein the ~~means for~~ generating arrangement to generate the at least one of a tuning signal and additional control signals includes a module, and wherein an input of the module is connected to one of a microcontroller and an internal tuning signal, and wherein the tuning signal is applied to an output of the module in a form suitable for transmission to the antenna amplifier.

28. (Currently Amended) The receiver as recited in Claim 26, further comprising: an information signal arrangement [[means]] for at least one of detecting and evaluating information signals which are generated by the antenna amplifier and are transmitted in addition to radio signals.

29. (Currently Amended) A receiving system of a motor vehicle, comprising:
an antenna amplifier, wherein the antenna amplifier includes:
an input for connecting to an antenna;
an output for connecting to a receiver;
an arrangement for providing signal-level matching between the input and the output; and
a narrow-band filter situated between the input and the arrangement for providing signal-level matching, wherein a pass frequency of the narrow-band filter is configured to be tuned to a receive channel of the receiver; and
a ~~means for generating~~ arrangement to generate at least one of a tuning signal and additional control signals for the antenna amplifier.

30. (New) The receiving system as recited in Claim 29, wherein:
the antenna amplifier further includes a device for one of splitting up and filtering out signal components of a received signal at the output of the antenna amplifier;
the pass frequency of the narrow-band filter is tuned via a tuning signal that is generated by the receiver and applied to the output of the antenna amplifier,
the tuning signal applied to the output of the antenna amplifier is evaluated in the antenna amplifier,

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the tuning signal is one of a d.c. voltage, an analog amplitude-modulated signal, an analog frequency-modulated signal, an analog pulse-width-modulated signal, and a digital data stream,

a supply voltage for the antenna amplifier is applied to the output of the antenna amplifier,

the device for one of splitting up and filtering out signal components of the received signal includes a storage unit for storing tuning information, and

further control signals are applied to one of a control terminal of the antenna amplifier and the output of the antenna amplifier.

31. (New) The antenna amplifier as recited in Claim 16, further comprising:

a device for one of splitting up and filtering out signal components of a received signal at the output of the antenna amplifier;

wherein the pass frequency of the narrow-band filter is tuned via a tuning signal that is generated by the receiver and applied to the output of the antenna amplifier,

wherein the tuning signal applied to the output of the antenna amplifier is evaluated in the antenna amplifier,

wherein the tuning signal is one of a d.c. voltage, an analog amplitude-modulated signal, an analog frequency-modulated signal, an analog pulse-width-modulated signal, and a digital data stream,

wherein a supply voltage for the antenna amplifier is applied to the output of the antenna amplifier,

wherein the device for one of splitting up and filtering out signal components of the received signal includes a storage unit for storing tuning information, and

wherein further control signals are applied to one of a control terminal of the antenna amplifier and the output of the antenna amplifier.

32. (New) The antenna amplifier as recited in Claim 31, further comprising:

a return-signal generating unit for generating a return signal that is applied to one of the control terminal and the output.

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33. (New) The antenna amplifier as recited in Claim 31, wherein responses to the further control signals occur at defined moments, wherein the responses include a switchover to previously stored tuning information.

34. (New) The receiver as recited in Claim 26, wherein:

the antenna amplifier further includes a device for one of splitting up and filtering out signal components of a received signal at the output of the antenna amplifier;

the pass frequency of the narrow-band filter is tuned via a tuning signal that is generated by the receiver and applied to the output of the antenna amplifier,

the tuning signal applied to the output of the antenna amplifier is evaluated in the antenna amplifier,

the tuning signal is one of a d.c. voltage, an analog amplitude-modulated signal, an analog frequency-modulated signal, an analog pulse-width-modulated signal, and a digital data stream,

a supply voltage for the antenna amplifier is applied to the output of the antenna amplifier,

the device for one of splitting up and filtering out signal components of the received signal includes a storage unit for storing tuning information, and

further control signals are applied to one of a control terminal of the antenna amplifier and the output of the antenna amplifier.